

ABSTRACT

A method and apparatus for providing resource discovery using multicast scope selection is disclosed. The method includes the discoverer sending a first request message having a first selected scope to a known

5 multicast group, setting a timer after the first request message is sent, detecting whether a confirm message is received from an endpoint before the timer expires, terminating when a confirm message is received from an endpoint prior to the expiration of the timer, determining whether a scope increase is allowed when a confirm message is not received from an

10 endpoint before the expiration of the timer, terminating when a scope increase is not allowed, increasing the scope to the second selected scope when a scope increase is allowed, resetting the timer and sending a second request message having the second selected scope when a confirm message is not received from an endpoint in response to the first request

15 message, the second selected scope being greater than the first selected scope.